

1 a main body and a first and a second limb extending  
2 therefrom, said main body including a main bore extending  
3 longitudinally therein and having a cranial orifice, said  
4 first limb including a first bore extending longitudinally  
5 therein, communicating with said main bore, and having a  
6 first caudal orifice, said second limb including a second  
7 bore extending longitudinally therein, communicating with  
8 said main bore and having a second caudal orifice, said  
9 assembly including a main spring assembly and a first  
10 spring assembly each having a compressed state, said main  
11 spring assembly radially expanding said main body of said  
12 graft to substantially conform said main body of said graft  
13 on an interior wall of the main lumen when said prosthesis  
14 assembly is positioned at a particular position in the  
15 bifurcated lumen and said main spring assembly is released  
16 from said compressed state, said first spring assembly  
17 radially expanding said first limb of said graft to  
18 substantially conform said first limb of said graft on an  
19 interior wall of the first branch lumen when said  
20 prosthesis assembly is positioned at the particular  
21 position in the bifurcated lumen and said first spring  
22 assembly is released from said compressed state, said  
23 transluminal arrangement] comprising:

⑥ 24 main container means ~~for~~ containing [said] in a  
25 compressed state a main spring assembly of a prosthesis  
26 assembly [in said compressed state], said prosthesis  
27 assembly including a bifurcated endovascular graft having  
28 a main body and a first and a second limb extending  
29 therefrom, said main body including a main bore extending  
30 longitudinally therein and having a cranial orifice, said  
31 first limb including a first bore extending longitudinally  
32 therein, communicating with said main bore, and having a  
33 first caudal orifice, said second limb including a second  
34 bore extending longitudinally therein, communicating with  
35 said main bore and having a second caudal orifice, said  
36 main spring assembly radially expanding said main body of  
37 said graft to substantially conform said main body of said

38 graft on an interior wall of a main lumen of a bifurcated  
39 lumen when said prosthesis assembly is positioned at a  
40 particular position in the bifurcated lumen and said main  
41 spring assembly is released from said compressed state, the  
42 bifurcated lumen including the main lumen and a first and  
43 a second branch lumen communicating with and extending from  
44 the main lumen;

45        first container means separated from said main  
46 container means for containing [said] in a compressed state  
47 a first spring assembly of said prosthesis assembly [in  
48 said compressed state], said first spring assembly radially  
49 expanding said first limb of said graft to substantially  
50 conform said first limb of said graft on an interior wall  
51 of the first branch lumen of the bifurcated lumen when said  
52 prosthesis assembly is positioned at the particular  
53 position in the bifurcated lumen and said first spring  
54 assembly is released from said compressed state;

55        retainer means positioned in said main and said first  
56 [bores] bore of said graft for retaining said prosthesis  
57 assembly at the particular position in the bifurcated lumen  
58 while said main container means is withdrawn from said  
59 prosthesis assembly releasing said main spring assembly  
60 from said compressed state.

Amend claim 4 as follows:

1        4. (Amended) The transluminal arrangement of claim 3  
2        wherein said first container means includes a first sheath  
3        having a longitudinal bore and attached around said  
4        elongated member caudally from said dilator head and  
5        wherein said first spring assembly is positioned in said  
6        bore of said first sheath.

Amend claim 7 as follows:

1        7. (Amended) The transluminal arrangement of claim 6  
2        wherein said main and said first attachment means comprises  
3        contraction means for temporarily pulling respectively said

4 main and said first spring [assemblies] assembly inwardly  
5 to said compressed state when said prosthesis assembly is  
6 positioned within said main sheath.

*(A3)*  
(cont.)  
Amend claim 8 as follows:

1 8. (Amended) The transluminal arrangement of claim [7] 6  
2 wherein said main and said first attachment means [further  
3 comprise] comprises release means for releasing said  
4 prosthesis assembly from said retainer means either during  
5 or after removal of at least one of said main and said  
6 first [sheaths] sheath.

Amend claim 9 as follows:

1 9. (Amended) The transluminal arrangement of claim 8  
2 wherein at least one of said main and said first attachment  
3 means comprises one or more [connectors each in the form  
4 of] sutures connected [at one end] to at least one of said  
5 main and said first spring [assemblies] assembly and at  
6 [the other] one end to inside of said [elongated tube]  
7 retainer means via apertures therein, and wherein said  
8 release means is positioned within said [elongated tube]  
9 retainer means for releasing said [sutures] suture from  
10 inside said [elongated tube] retainer means.

Amend claim 10 as follows:

1 10. (Amended) The transluminal arrangement of claim 1  
2 further comprising a guide and [a method of positioning  
3 said prosthesis assembly at the particular position in the  
4 bifurcated lumen, said method comprising] the steps of:  
5 providing a first and a second access to the first and  
6 the second branch [lumens] lumen, respectively;  
7 [providing a] positioning said guide between the first  
8 and the second [accesses] access via the first and the  
9 second branch [lumens] lumen;  
10 positioning said transluminal arrangement at the  
11 particular position in the bifurcated [branch] lumen via  
12 the first access;

13        withdrawing said main container means from said  
14        prosthesis assembly;  
15        positioning said second limb of said graft in the  
16        second branch lumen with said guide;  
17        releasing said retainer means from said prosthesis  
18        assembly when positioned at the particular position in the  
19        bifurcated lumen; and  
20        withdrawing said first container means from said first  
21        spring assembly.

*(A3 left)*  
Cancel claim 11.

Amend claim 12 as follows:

*(A4)*  
1        12. (Amended) A transluminal arrangement for positioning  
2        a prosthesis assembly at a particular position in a  
3        bifurcated lumen, the bifurcated lumen including a main  
4        lumen and a first and a second branch lumen communicating  
5        with and extending from the main lumen, said prosthesis  
6        assembly including a bifurcated endovascular graft having  
7        a main body and a first and a second limb extending  
8        therefrom, said main body including a main bore extending  
9        longitudinally therein and having a cranial orifice, said  
10       first limb including a first bore extending longitudinally  
11       therein, communicating with said main bore, and having a  
12       first caudal orifice, said second limb including a second  
13       bore extending longitudinally therein, communicating with  
14       said main bore and having a second caudal orifice, said  
15       assembly including a main spring assembly, a first spring  
16       assembly, and a second spring assembly each having a  
17       compressed state, said main spring assembly radially  
18       expanding said main body of said graft to substantially  
19       conform said main body of said graft on an interior wall of  
20       the main lumen when said prosthesis assembly is positioned  
21       at a particular position in the bifurcated lumen and said  
22       main spring assembly is released from said compressed  
23       state, said first spring assembly radially expanding said  
24       first limb of said graft to substantially conform said

25 first limb of said graft on an interior wall of the first  
26 branch lumen when said prosthesis assembly is positioned at  
27 the particular position in the bifurcated lumen and said  
28 first spring assembly is released from said compressed  
29 state, said second spring assembly radially expanding said  
30 second limb of said graft to substantially conform said  
31 second limb of said graft on an interior wall of the second  
32 branch lumen when said prosthesis assembly is positioned at  
33 a particular position in the bifurcated lumen and said  
34 second spring assembly is released from said compressed  
35 state, said transluminal arrangement comprising:

36 main container means for containing said main spring  
37 assembly in said compressed state;

38 first container means for containing said first spring  
39 assembly in said compressed state;

40 second container means for containing said second  
41 spring assembly in said compressed state;

42 main retainer means positioned in said main and said  
43 first [bores] bore of said graft for retaining said  
44 prosthesis assembly at the particular position in the  
45 bifurcated lumen while said main container means is  
46 withdrawn from said prosthesis assembly releasing said main  
47 spring assembly from said compressed state;

48 first retainer means temporarily attached to said  
49 first spring assembly for retaining said first spring  
50 assembly in said first container means; and

51 second retainer means temporarily attached to said  
52 second spring assembly for retaining said second spring  
53 assembly in said second container means.

Amend claim 16 as follows:

1 14 16. (Amended) The transluminal arrangement of claim 12  
2 wherein said main retainer means comprises an elongated  
3 member having a dilator head at [the] a distal end thereof,  
4 main attachment means for temporarily attaching said main  
5 spring assembly to said elongated member, and first

6 attachment means for temporarily attaching said first  
7 spring assembly to said elongated member.

*as  
(cont.)*

Amend claim 17 as follows:

1 17. (Amended) The transluminal arrangement of claim 16  
2 further comprising first release means for releasing at  
3 least one of said main and said first attachment means  
4 either during or after removal of at least one of said main  
5 and said first [sheaths] container means.

*17*

Amend claim 19 as follows:

*all*

1 19. The transluminal arrangement of claim 12 further  
2 comprising a guide and [a method of positioning said  
3 prosthesis assembly at the particular position in the  
4 bifurcated lumen, said method comprising] the steps of:  
5 providing a first and a second access to the first and  
6 the second branch [lumens] lumen, respectively;  
7 [providing a] positioning said guide between the first  
8 and the second [accesses] access via the first and the  
9 second branch [lumens] lumen;  
10 positioning said transluminal arrangement at the  
11 particular position in the bifurcated [branch] lumen via  
12 the first access;  
13 withdrawing said main container means from said  
14 prosthesis assembly;  
15 positioning said second limb of said graft in the  
16 second branch lumen with said guide;  
17 releasing said main, said first, and said retainer  
18 means from said prosthesis assembly when positioned at the  
19 particular position in the bifurcated lumen;  
20 withdrawing said first container means from said first  
21 spring assembly; and  
22 withdrawing said second container means from said  
23 second spring assembly.

Amend claim 20 as follows:

1 20. (Amended) A transluminal arrangement for positioning  
2 a prosthesis assembly at a particular position in a  
3 bifurcated lumen, the bifurcated lumen including a main  
4 lumen and a first and a second branch lumen communicating  
5 with and extending from the main lumen, said prosthesis  
6 assembly including a bifurcated endovascular graft having  
7 a main body and a first and a second limb extending  
8 therefrom, said main body including a main bore extending  
9 longitudinally therein and having a cranial orifice, said  
10 first limb including a first bore extending longitudinally  
11 therein, communicating with said main bore, and having a  
12 first caudal orifice, said second limb including a second  
13 bore extending longitudinally therein, communicating with  
14 said main bore and having a second caudal orifice, said  
15 graft including a main spring assembly, a first spring  
16 assembly, and a second spring assembly each having a  
17 compressed state, said main spring assembly radially  
18 expanding said main body of said graft to substantially  
19 conform said main body of said graft on an interior wall of  
20 the main lumen when said prosthesis assembly is positioned  
21 at a particular position in the bifurcated lumen and said  
22 main spring assembly is released from said compressed  
23 state, said first spring assembly radially expanding said  
24 first limb of said graft to substantially conform said  
25 first limb of said graft on an interior wall of the first  
26 branch lumen when said prosthesis assembly is positioned at  
27 the particular position in the bifurcated lumen and said  
28 first spring assembly is released from said compressed  
29 state, said second spring assembly radially expanding said  
30 second limb of said graft to substantially conform said  
31 second limb of said graft on an interior wall of the second  
32 branch lumen when said prosthesis assembly is positioned at  
33 a particular position in the bifurcated lumen and said  
34 second spring assembly is released from said compressed  
35 state, said transluminal arrangement comprising:

Alt  
(cont.)

36 a main sheath with said prosthesis assembly positioned  
37 in a bore of said main sheath;  
38 main container means for containing said main spring  
39 assembly in said compressed state;  
40 a first sheath with said first spring assembly  
41 positioned in a bore of said first sheath;  
42 first container means for containing said first spring  
43 assembly in said compressed state;  
44 a second sheath with said second spring assembly  
45 positioned in a bore of said second sheath;  
46 second container means for containing said second  
47 spring assembly in said compressed state;  
48 an elongated member positioned in said main and said  
49 first [bores] bore of said graft;  
50 main attachment means for temporarily attaching said  
51 main spring to said elongated member;  
52 first attachment means for temporarily attaching said  
53 first spring to said elongated member, said main and said  
54 first attachment [forming] means for retaining said  
55 prosthesis assembly at the particular position in the  
56 bifurcated lumen while said main sheath is withdrawn from  
57 said prosthesis assembly [releasing said main spring  
58 assembly from said compressed state];  
59 first retainer means temporarily attached to said  
60 first spring assembly for retaining said first spring  
61 assembly in said first container means;  
62 second retainer means temporarily attached to said  
63 second spring assembly for retaining said second spring  
64 assembly in said second container means;  
65 first release means for releasing at least one of said  
66 main and said first attachment means either during or after  
67 removal of at least one of said main and said first  
68 [sheaths] sheath; and  
69 second release means temporarily attached to said  
70 second spring assembly for releasing said second spring  
71 assembly when positioned in the second branch lumen of the  
72 bifurcated lumen.